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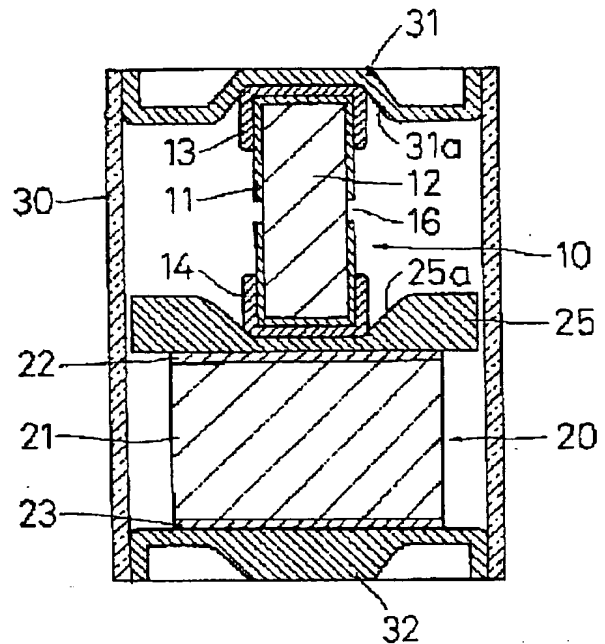
APPLICATION NUMBER : 04106062

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TITLE : SURGE ABSORBER



ABSTRACT : PURPOSE: To make a surge absorber compact and simplify the manufacturing process by electrically connecting a gap type surge absorbing element and a varistor in the lead-less state, putting them in an insulating tube body, and sealing it with a sealing electrode.

CONSTITUTION: A sealing electrode 32 is inserted at the end section of a glass tube 30, and a varistor 20 is inserted so that an external electrode 23 is closely stuck to the electrode 32. An intermediate electrode 25 is inserted so that its flat face is closely stuck to the external electrode 22 of the varistor 20. The gap electrode 14 of a surge absorbing element 10 is stored in the recess 25a of the electrode 25, and a sealing electrode 31 is inserted into the end section of the tube 30 to be fixed to a gap electrode 13. When the element 10, electrode 25, and varistor 20 are pinched by a pair of electrodes 31, 32, they are electrically connected. The inside of the tube 30 is vacuumed, argon gas is introduced, the tube 30 and the electrodes 31, 32 are heated by a carbon heater, and the tube 30 is sealed with the electrodes 31, 32. The surge absorbing element 10 and the varistor 20 are compactly integrated, and the manufacturing process can be simplified.

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